I claim:

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2		a hydraulic pump for pumping a hydraulic fluid through the hydraulic system at a							
3	norm	al operating pressure;							
4		a reservoir for holding the hydraulic fluid; and							
5		a two-stage pressure relief valve comprising:							
6		a first stage for compensating for increases in hydraulic system pressure							
7		over the normal operating pressure and up to a selected threshold pressure							
8		level; and							
9		a second stage for bringing the hydraulic system pressure down to a							
10		selected reduced operating pressure that is below the normal operating pressure							
11		in response to increases in the operating pressure over the threshold pressure							
12		level.							
1	2.	The hydraulic system according to claim 1, further comprising:							
2		an optional heat exchanger for cooling the hydraulic fluid.							
1	3.	The hydraulic system according to claim 1, further comprising:							
2		a timing means operably associated with the second stage for delaying full							
3	opera	ation of the second stage.							
1	4.	The hydraulic system according to claim 3, wherein the timing means is a flow							
2		restrictor.							
1	5.	The hydraulic system according to claim 3, wherein the timing means allows for							
2	short	spikes in the pressure of the hydraulic system prior to opening of the second							
3	stage								
1	6.	The hydraulic system according to claim 1, wherein the threshold pressure level							

A hydraulic system for an aircraft comprising;

is about 22% higher than normal operating pressure.

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